

ABSTRACT OF THE DISCLOSURE**METHODS OF USING A MAJOR HISTOCOMPATIBILITY COMPLEX  
CLASS III HAPLOTYPE TO DIAGNOSE CROHN'S DISEASE**

The present invention provides a method of  
5 diagnosing or predicting susceptibility to an autoimmune  
disease in an individual by determining the presence or  
absence in the individual of a 2-2-4 haplotype at the  
Notch4, HSP70-HOM and D6S273 loci, where the presence of  
the haplotype diagnoses or predicts susceptibility to the  
10 autoimmune disease. The methods of the invention can be  
particularly useful for diagnosing or predicting  
susceptibility to Crohn's disease, rheumatoid arthritis  
or type I diabetes mellitus. In a preferred embodiment,  
a method of the invention is used to diagnose or predict  
15 susceptibility to Crohn's disease in an individual of  
Ashkenazi Jewish ethnicity.